



05-23-05

Receipt  
EFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/511,531  
Filed: 10/15/2004  
1<sup>st</sup> Inventor: K. Takashima  
For: Preventives for HIV Infection  
Atty. Dkt. No. 3041 USOP

Art Unit: 1615  
Examiner: tba  
Allowed:  
Batch:  
Paper No.:

**CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10**

**USPS EXPRESS MAIL LABEL No. EV 524904477 US**

**DATE IN: May 20, 2005**

**Itemized Papers/Items:**

1. This Certificate and Return Postcard (2 pages)
2. Transmittal Form (1 page X 2)
3. Request to Correct Filing Receipt (1 page), and copy of Filing Receipt (1 page)
4. Copy of Declaration and Power of Attorney (5 pages)

The undersigned hereby certifies that the above itemized papers are together being deposited with the Express Mail Post Office to Addressee service of the United States Postal Service (USPS) in an envelope with sufficient postage, having the USPS Express Mail Label No. shown above, and addressed to:

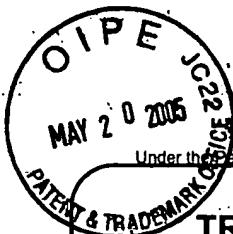
MAIL STOP MISSING PARTS  
Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

on this date, 5/20/05

Dated: 5/20/05

Gail L. Winokur

Takeda Pharmaceuticals North America, Inc.  
Intellectual Property Department  
475 Half Day Road  
Lincolnshire, IL 60069 USA



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

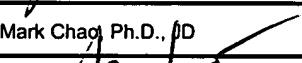
(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/511,531	
	Filing Date	10/15/2004	
	First Named Inventor	K. Takashima	
	Art Unit	1615	
	Examiner Name	tba	
Total Number of Pages in This Submission	11	Attorney Docket Number	3041 USOP

### ENCLOSURES (Check all that apply)

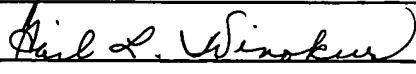
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard; Certificate of Express Mailing; Request to Correct Filing Receipt; Copy of Filing Receipt; Copy of Declaration & POA
<b>Remarks</b> <p>The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 500799.</p>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	Mark Chao, Ph.D., JD		
Date	5/20/05	Reg. No.	37,293

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Express

Signature			
Typed or printed name	Gail L. Winokur	Date	5/20/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

*Express Mail No. EV524904477 US*



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/511,531  
Filed: 10/15/2004  
1<sup>st</sup> Inventor: K. Takashima  
For: Preventives for HIV Infection  
Atty. Dkt. No. 3041 USOP

Art Unit: 1615  
Examiner: tba  
Allowed:  
Batch:  
Paper No.:

## REQUEST FOR CORRECTED FILING RECEIPT

MAIL STOP MISSING PARTS  
Commissioner for Patents  
P.O. BOX 1450  
Alexandria, VA 22313-1450

Sir:

Applicants request that a corrected Filing Receipt be issued for the above-identified case inserting the name of a Power of Attorney.

Please insert the name and registration number of Mark Chao to read as follows:

--Mark Chao--37,293--

A copy of the Filing Receipt is enclosed showing the correction. A copy of the Declaration and Power of Attorney is also enclosed showing Mark Chao's appointment of Power of Attorney.

If there are any questions, please call applicants' attorney at (847) 383-3372.

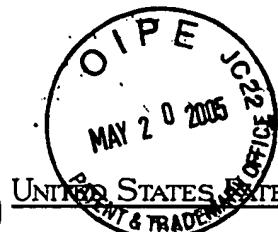
Dated:

Respectfully submitted,

(847) 383-3372

Mark Chao, Ph.D., Reg. No. 37,293  
Elaine M. Ramesh, Ph.D., Reg. No. 43,032  
Attorney for Applicants  
Customer No. 23115

**Takeda Pharmaceuticals North America, Inc.  
Intellectual Property Department  
475 Half Day Road  
Lincolnshire, IL 60069 USA**



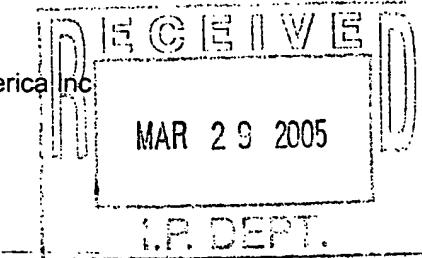
## UNITED STATES PATENT AND TRADEMARK OFFICE

337

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/511,531	10/15/2004	1615	1038	3041 US0P	1	8	4

Mark Chao  
 Takeda Pharmaceuticals North America Inc  
 Intellectual Property Department  
 475 Half Day Road Suite 500  
 Lincolnshire, IL 60069



CONFIRMATION NO. 4389  
**FILING RECEIPT**



\*OC000000015559362\*

Date Mailed: 03/24/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Katsunori Takashima, Osaka, JAPAN;  
 Yuji Iizawa, Kyoto, JAPAN;  
 Mitsuru Shiraishi, Hyogo, JAPAN;  
 Yoshihiro Sugihara, Nara, JAPAN;  
 Masanori Baba, Kagoshima, JAPAN;

**Power of Attorney:**  
 --Mark Chao--37293--  
 Elaine Ramesh--43032

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/JP03/04908 04/17/2003

**Foreign Applications**

JAPAN 2002-118055 04/19/2002  
 JAPAN 2002-141657 05/16/2002

**Projected Publication Date:** 06/30/2005

**Non-Publication Request:** No

**Early Publication Request:** No



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/106 (5-00)  
Approved for use through 10/31/02. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

## Declaration and Power of Attorney for Patent Application

### 特許出願宣言書及び委任状

#### Japanese Language Declaration

#### 日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する： As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

#### PREVENTIVES FOR HIV INFECTION

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない：

の日に出願され、  
この出願の米国出願番号またはPCT国際出願番号は、  
\_\_\_\_\_ であり、且つ  
\_\_\_\_\_ の日に補正された出願（該当する場合）

the specification of which is attached hereto unless the following box is checked:

was filed on April 17, 2003  
as United States Application Number or  
PCT International Application Number  
PCT/JP03/04908 and was amended on  
\_\_\_\_\_ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the need of the individual case. Any comments on the amount of time you are required to complete this form should be sent to Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

## Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一国を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(e)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日よりも前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の件名をチェックすることにより示した。

### Prior Foreign Application(s) 外国での先行出願

2002-118055

(Number)  
(番号)

Japan

(Country)  
(国名)

19/04/2002



2002-141657

(Number)  
(番号)

Japan

(Country)  
(国名)

16/05/2002



### Priority Not Claimed 優先権主張なし

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

(Application No.)  
(出願番号)(Filing Date)  
(出願日)(Application No.)  
(出願番号)(Filing Date)  
(出願日)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された慈善で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間に入手された情報で、運営規則第37編規則1.5.6に定義された特許性に開わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Application No.)  
(出願番号)(Filing Date)  
(出願日)(Status: Patented, Pending, Abandoned)  
(現況:特許許可、係属中、放棄)(Application No.)  
(出願番号)(Filing Date)  
(出願日)(Status: Patented, Pending, Abandoned)  
(現況:特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration  
(日本語宣言書)

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁理士及び／または弁理士を任命する。（氏名及び登録番号を記載すること）

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Mark Chao, Reg. No. 37293; Elaine M. Ramesh, Reg. No. 43032

書類送付先

Send Correspondence to:

Mark Chao, PhD, JD.

Intellectual Property Department  
Takeda Pharmaceuticals North America, Inc.  
Suite 500, 475 Half Day Road  
Lincolnshire, IL 60669 USA

直通電話連絡先：（氏名及び電話番号）

Direct Telephone Calls to: (name and telephone number)

Mark Chao, PhD, JD.

Voice: (847)383-3391 Fax: (847)383-3481

Elaine M. Ramesh, PhD, JD.

Voice: (847)383-3391 Fax: (847)383-3481

唯一または第一発明者氏名

Full name of sole or first inventor

Katsunori TAKASHIMA

発明者の署名

日付

Inventor's signature

Date

Katsunori Takashima September 22, 2004

住所

Residence

Sennan-gun, Osaka Japan

国籍

Citizenship

Japan

郵便の宛先

Post Office Address

23-10, Sakuragaoka 2-chome, Kumatori-cho, Sennan-gun, Osaka Japan

第二共同発明者がいる場合、その氏名

Full name of second joint inventor, if any

Yuji IIZAWA

第二共同発明者の署名

日付

Second Inventor's signature

Date

Yuji Iizawa September 22, 2004

住所

Residence

Muko-shi, Kyoto Japan

国籍

Citizenship

Japan

郵便の宛先

Post Office Address

31-20, Dencho, Teradocho, Muko-shi, Kyoto Japan

（第三以下の共同発明者についても同様に記載し、署名をすること）

(Supply similar information and signature for third and subsequent joint inventors.)

**Japanese Language Declaration**  
(日本語宣言書)

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての交渉を遂行するために、記名された発明者として、下記の弁護士及び／または弁理士を任命する。（氏名及び登録番号を記載すること）

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Mark Chao, Reg. No. 37293; Elaine M. Ramesh, Reg. No. 43032

## 書類送付先

## Send Correspondence to:

Mark Chao, PhD. JD.

Intellectual Property Department  
Takeda Pharmaceuticals North America, Inc.  
Suite 500, 475 Half Day Road  
Lincolnshire, IL 60699 USA

## 直通電話連絡先：（氏名及び電話番号）

## Direct Telephone Calls to: (name and telephone number)

Mark Chao, PhD. JD.

Voice: (847)383-3391 Fax: (847)383-3481

Elaine M. Ramesh, PhD. JD.

Voice: (847)383-3391 Fax: (847)383-3481

## 第三共同発明者がいる場合、その氏名

## Full name of third joint inventor, if any

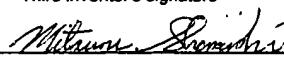
Mitsuru SHIRAISHI

## 第三共同発明者の署名

## 日付

## Third inventor's signature

## Date

 September 22, 2004

Residence

Amagasaki-shi, Hyogo Japan

## 国籍

## Citizenship

Japan

## 郵便の宛先

## Post Office Address

33-26, Tsukaguchicho 4-chome, Amagasaki-shi, Hyogo Japan

## 第四共同発明者がいる場合、その氏名

## Full name of fourth joint inventor, if any

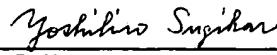
Yoshihiro SUGIHARA

## 第四共同発明者の署名

## 日付

## Fourth inventor's signature

## Date

 September 22, 2004

Residence

Ikoma-shi, Nara Japan

## 国籍

## Citizenship

Japan

## 郵便の宛先

## Post Office Address

11-2, Shikanodaikita 3-chome, Ikoma-shi, Nara Japan

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

### Japanese Language Declaration (日本語宣言書)

委任状： 私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び／または弁理士を任命する。（氏名及び登録番号を記載すること）

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Mark Chao, Reg. No. 37293; Elaine M. Ramesh, Reg. No. 43032

## 書類送付先

Send Correspondence to:

Mark Chao, Ph.D. JD.

Intellectual Property Department  
Takeda Pharmaceuticals North America, Inc.  
Suite 500, 475 Half Day Road  
Lincolnshire, IL 60699 USA

## 直通電話連絡先：（氏名及び電話番号）

Direct Telephone Calls to: (name and telephone number)

Mark Chao, Ph.D. JD.

Voice: (847)383-3391 Fax: (847)383-3481

Elaine M. Ramesh, Ph.D. JD.

Voice: (847)383-3391 Fax: (847)383-3481

## 第五共同発明者がいる場合、その氏名

Full name of fifth joint inventor, if any

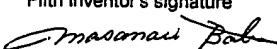
Masanori BABA

## 第五共同発明者の署名

日付

Fifth inventor's signature

Date



Sep. 26, 2004

## 住所

Residence

Kagoshima-shi, Kagoshima Japan

## 国籍

Citizenship

Japan

## 郵便の宛先

Post Office Address

54-19, Kotokujidai 3-chome, Kagoshima-shi, Kagoshima Japan

## 第六共同発明者がいる場合、その氏名

Full name of sixth joint inventor, if any

## 第六共同発明者の署名

日付

Sixth inventor's signature

Date

## 住所

Residence

## 国籍

Citizenship

Japan

## 郵便の宛先

Post Office Address

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)